

Abstract

A coplanar waveguide line comprising

5 a substrate;

 a central electrode strip on the substrate;

10 first and second electrode strips disposed on opposite
 sides of the central electrode strip and extending
 parallel thereto;

15 first and second optical waveguides on the substrate, the
 optical waveguides being positioned between the first and
 central electrode strips and extending parallel thereto;

 the central electrode comprising at least one T-rail
 extending proximate to the first optical waveguide;

20 the first electrode comprising at least one T-rail
 extending proximate to the second optical waveguide;

 the substrate comprising an n^+ electrically conducting
 layer extending between the optical waveguides;

25 wherein the coplanar waveguide line further comprises an
 electrical connection between first and second electrode
 strips.